

IFW

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/517,769
		Filing Date	December 27, 2005
		First Named Inventor	Douglas John Thomson
		Art Unit	2856
		Examiner Name	n/a
Total Number of Pages in This Submission	5	Attorney Docket Number	9157-58

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		Remarks
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	BERESKIN & PARR Stephen M. Beney Registration No. 41,563
Signature	
Date	October 25, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name			
Signature		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Appl. No : 10/517,769
Applicant : Douglas John Thomson et al.
Filed : December 27, 2004
Title : MEASURING STRAIN IN A STRUCTURE (BRIDGE) WITH A
TEMPERATURE COMPENSATED) ELECTROMAGNETIC
RESONATOR (MICROWAVE CAVITY)
TC./A.U. : 2856
Examiner :

Docket No. : 9157-58

Honorable Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

October 20, 2005

LETTER

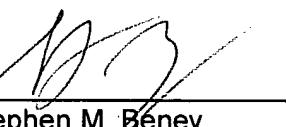
Sir:

In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, the applicant hereby submits an information Disclosure Statement including a listing of patents of which the applicant is aware. In accordance with the requirements of 1.97(b)(1) and (3), this Information Disclosure Statement is filed within three months of the filing date of the application or before the mailing date of a first Office Action on the merits, whichever event occurs last.

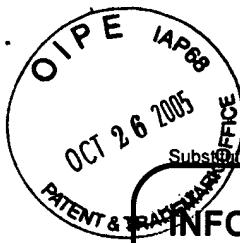
Respectfully submitted,

Bereskin & Parr

By



Stephen M. Beney
Reg. No. 41,563
Tel: 416 957 1697



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of 3

Complete if Known

Application Number	10/517,769
Filing Date	December 27, 2004
First Named Inventor	Douglas John Thomson
Art Unit	2856
Examiner Name	N/A

9157-58

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 3,909,713	09-30-1975	Billeter	
		US- 4,651,571	03-24-1987	McGlade	
		US- 4,843,346	06-27-1989	Heymann et al.	
		US- 5,181,423	01-26-1993	Philipps et al.	
		US- 5,227,798	07-13-1993	Hildebrand	
		US- 5,433,115	07-18-1995	Spillman, Jr. et al.	
		US- 5,703,576	12-30-1997	Spillman, Jr. et al.	
		US- 5,764,161	06-09-1998	Schier	
		US- 5,821,425	10-13-1998	Mariani et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		GB2212273	07-29-1989	Mr. Farley		
		FR2700846	07-29-1994	Mr Brugidou		
		JP60203828	10-15-1985	Toshiba		
		JP05264474	10-12-1993	Daipole		
		DE2007447	09-17-1970	Decca		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/517,769		
		Filing Date	December 27, 2004		
		First Named Inventor	Douglas John Thomson		
		Art Unit	2856		
		Examiner Name	N/A		
Sheet	2	of	3	Attorney Docket Number	9157-58

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
		"Deployment of a fiber Bragg grating-based measurement system in a structural health monitoring application", M. D. Todd, G. A. Johnson and S. T. Vohra, Naval Research Laboratory, Code 5673, Washington, DC 20375, USA, Smart Mater, Struct. 10 (2001) 534-539.		
		"Conceptual framework of a remote wireless health monitoring system for large civil structures", Darryll J. Pines and Philip A. Lovell, Department of Aerospace Engineering, University of Maryland, College Park, MD, USA in Smart Mater, Struct. 7 (1998) 627-636.		
		W. R. Fowkes, "Cavity Resonator Measurements at 90 Ghz", ARDB Technical Note 164, pgs. 1-6.		
		McGray-Hill Encyclopedia of Science & Technology, "An international reference work in twenty volumes including an index", 9 th Edition, pgs. 453-455 and 585-587.		
		William H. Hayt, Jr., "Engineering Electromagnetics", Fifth Edition, McGraw-Hill, Inc., pgs. 416-427.		
		John d. Kraus, "Electromagnetics", Fourth Edition, McGraw-Hill, Inc., pgs. 698-705.		
		David H. Staelin, et al., "Electromagnetic Waves", Prentice Hall, Upper Saddle River, New Jersey 07458, pgs. 336-349, 372-381, 390-401		
		http://www.fnrf.science.cmu.ac.th/theory/waveguide/Waveguide%20theory%202014.html .		
		http://www.tpub.com/neets/book11/44h.htm .		
		"Tunable laser demodulation of various fiber Bragg grating sensing modalities", R. M. Measures, M. M. Ohn. S. Y. Huang, J. Bigue and N. Y. Fan, Smart Mater. Struct. 7 No. 2 (April 1998) 237-247.		
		"Structural monitoring by curvature analysis using interferometric fiber optic sensors", D. Inaudi, S. Vurpillot, N. Casanova and P. Kronenberg, Smart Mater, Struct. 7 No. 2 (April 1998) 199-208.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/517,769
				<i>Filing Date</i>	December 27, 2004
				<i>First Named Inventor</i>	Douglas John Thomson
				<i>Art Unit</i>	2856
				<i>Examiner Name</i>	N/A
<i>(Use as many sheets as necessary)</i>				<i>Attorney Docket Number</i>	9157-58
Sheet	3	of	3		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.